PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: WILLIAM M. HYNES TOWNSEND AND TOWNSEND AND CREW LLP TWO EMBARCADERO CENTER, 8TH FLOOR SAN FRANCISCO, CA 94111	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION					
	(PCT Rule 44.1)					
015280-484100PC	Date of mailing (day/month/year) 02 SEK 2004					
Applicant's or agent's file reference 15280-4841PC	FOR FURTHER ACTION See paragraphs 1 and 4 below					
International application No. PCT/US04/09426	International filing date (day/month/year) 25 March 2004 (25.03.2004)					
Applicant THE GOVERNMENT OF THE UNITED STATES OF AMERI	CA -					
THE GOVERNMENT OF THE UNITED STATES OF AMERI	CA /					
1. The applicant is hereby notified that the international sea Authority have been established and are transmitted here	rch report and the written opinion of the International Searching with.					
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the cl						
When? The time limit for filing such amendments is search report.	s normally two months from the date of transmittal of the international					
Where? Directly to the International Bureau of WIPe 1211 Geneva 20, Switzerland, Facsimile No.	· ·					
For more detailed instructions, see the notes on the	accompanying sheet.					
The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.						
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:						
the protest together with the decision thereon has be request to forward the texts of both the protest and	the decision thereon to the designated Offices.					
	plicant will be notified as soon as a decision is made.					
4. Reminders						
Bureau. If the applicant wishes to avoid or postpone publicatio	e, the international application will be published by the International n, a notice of withdrawal of the international application, or of the in Rules 90bis.1 and 90bis.3, respectively, before the completion of					
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.						
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.						
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.						
See the Annex to Form PCT/IB/301 and, for details about the Guide, Volume II, National Chapters and the WIPO Internet site	e applicable time limits, Office by Office, see the PCT Applicant's					
Name and mailing address of the ISA/ US	Authorized officer					
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Ruth S Smith Coney 1					
P.O. Box 1450 Alexandria, Virginia 22313-1450	Paralegal Specialist					
Facsimile No. (703) 305-3230	Telephone No. (703) 308-089 Tech. Center 3700					
rm PCT/ISA/220 (January 2004)	(See notes on accompanying sheet)					

Comment on abstract 10/2/04
Acticle 19 11/2/04
Tale 12/5 12/2/04

Witten opinion need Witten opinion response 11/2/04 DOCKETED 264

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 15280-4841PC International application No. PCT/USO4/09426 International filing date (day/month/year) 25 March 2004 (25.03.2004) International filing date (day/month/year) 25 March 2004 (25.03.2004) Applicant THE GOVERNMENT OF THE UNITED STATES OF AMERICA This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of 3 sheets. It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
PCT/US04/09426 25 March 2004 (25.03.2004) 27 March 2003 (27.03.2003) Applicant THE GOVERNMENT OF THE UNITED STATES OF AMERICA This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of 3 sheets. It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
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a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.
2. Certain claims were found unsearchable (See Box No. II)
3. Unity of invention is lacking (See Box No. III)
4. With regard to the title,
the text is approved as submitted by the applicant.
the text has been established by this Authority to read as follows:
5. With regard to the abstract,
the text is approved as submitted by the applicant.
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. With regard to the drawings,
a. the figure of the drawings to be published with the abstract is Figure No. 1
as suggested by the applicant.
as selected by this Authority, because the applicant failed to suggest a figure.
as selected by this Authority, because this figure better characterizes the invention.
b none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (January 2004)

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/09426

Roy	IV	TEXT OF THE	ARSTRACT	(Continuation	of Item	5 of the	first sheet)
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A vibrator coil (10) is applied to the skull (30) by adaptation of a commercially available transcranial monitoring harness (40) during MR applies mechanical waves in the acoustic waves through the skull to the brain. Utilizing magnetic resonance elastography (MRE), non-invasive estimation of tissue elastic properties in three dimensions occurs. The propagation of the acoustic waves through brain tissue, coupled to phase alteration of voxel isochromats in the presence of applied motion encoding magnetic field gradients allows measurements of brain elasticity.							

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/09426

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A. CLASSIFICATION OF SUBJECT MATTER							
IPC(7) : A61B 5/055 US CL : 600/410,411; 324/307,309							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) U.S.: 600/410,411; 324/307,309							
Documentation se	earched other than minimum documentation to the	e extent that such documents are included i	n the fields searched				
Electronic data ba	ase consulted during the international search (nam	e of data base and, where practicable, sear	ch terms used)				
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.				
A US	6 6,037,774 A (FELMLEE et al) 14 March 2000	(14.03.2000), see the entire document.	1-14				
* Special of	uments are listed in the continuation of Box C.	See patent family annex. "T" later document published after the inte date and not in conflict with the applic	ation but cited to understand the				
of particular rele		principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be					
"L" document which	on or patent published on or after the international filing date may throw doubts on priority claim(s) or which is cited to olication date of another citation or other special reason (as	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive stement of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination					
"O" document referri	ocument referring to an oral disclosure, use, exhibition or other means being obvious to a person skilled in the art						
priority date clair		"&" document member of the same patent is	amily				
	completion of the international search	Date of mailing of the international search	h report				
08 August 2004 (0) Name and mailing	address of the ISA/US	Authorized officer	PiN				
_	PCT, Attn: ISA/US	En (Shoil	h H. Venol energy				
Commission	oner for Patents	Ruth S Smith Parale	gal Specialist				
P.O. Box Alexandria Facsimile No. (703	a, Virginia 22313-1450	Telephone No. (703) 308-0858 Tech.	Center 3700				